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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Igor Troitski Art Unit: 1725
Application No : 10/713,817
Filing date : 11/17/2003
For : Method and laser-computer system for producing laser-induced
holograms.
Examiner : Geoffrey S Evans

RESPONSE TO OFFICE ACTION

COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, Virginia 22313-1450

October 14, 2004.

This is in response to the Office Action mailed 10/06/2004 with respect to the above referenced application.

Please, amend the application as follows:

IN THE CLAIMS:

Please, cancel Claim 2.

Please, allow Claims 1, 3-5 and 9 as they are rewritten:

Claim 1. Method for producing laser-induced holograms inside transparent materials by using laser-induced damages comprising:

- calculation of an interference pattern, corresponding to a given object;
- transformation of the said interference pattern into arrangement of points so that laser-induced damages created at these points are able to reconstruct a high quality holographic image;
- generating and focusing laser radiation at the points of the transparent material corresponding to the points of the said arrangement so that the marks generated as a result of the interaction of laser radiation with the material are created.